FLOWCHART OF AN EMBODIMENT OF THE CURRENT INVENTION

Initial Transfection Of Mammalian Cell Line

Selection Of Cell-Lines

Nuclear Transfer/Embryo Transfer Procedure

Birth Of Hetorozygote Animal(S)

Characterization Of Heterozygote Transgenic Animal(S)

Biopsy Of Transgenic Animal To Generate Cell Population

Expansion Of Biopsied Heterozygote Cell-Line In Culture

Selection Of Homozygous Cells With Increased Concentration Of Selective Agents

Pick Surviving Cell Colonies

Characterizing Surviving Cells (FISH, Southern Blot)

Using Homozygous Cell Lines In NT/ET

Production Of A Homozygous Animal For Desired Transgene

Accelerated Production Of Herd Homozygous For Desired Transgene(S)

Production Of Desired Biopharmaceutical/Production Of Genetically Desirable

Livestock Or Non-Human Mammals

OVERVIEW OF ANALYTICS PERFORMED WITH KMK917 WITH REGARD TO HINGE REGION MODIFICATION

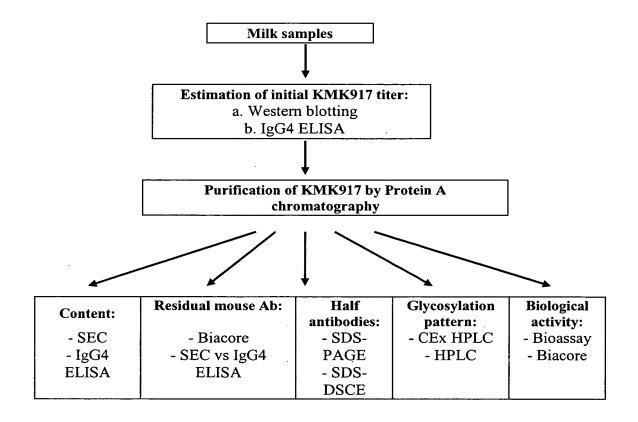


FIG. 3A CEx-HPLC of isolated KMK antibody samples

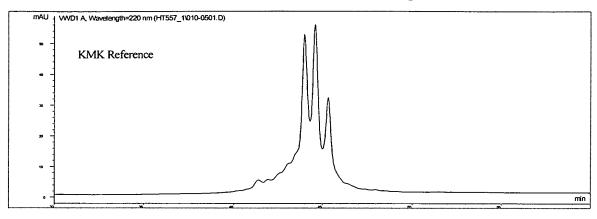


FIG. 3B CEx-HPLC of isolated KMK antibody samples – wild type

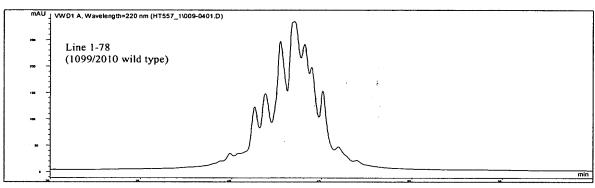


FIG. 3C CEx-HPLC of isolated KMK antibody samples – wild type

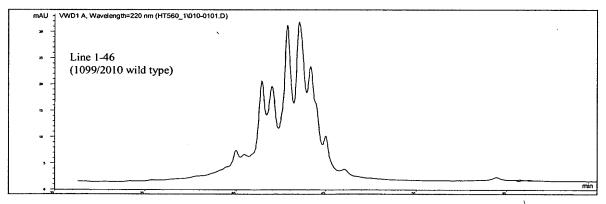


FIG. 3D CEx-HPLC of isolated KMK antibody samples – hinge mutant

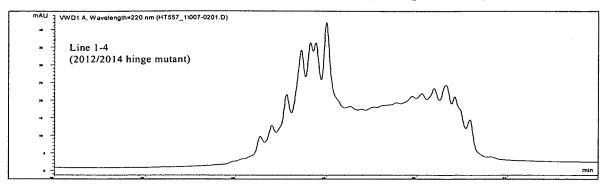


FIG. 3E CEx-HPLC of isolated KMK antibody samples – hinge mutant

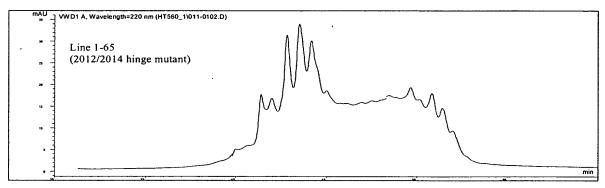


FIG. 3F CEx-HPLC of isolated KMK antibody samples – mutant (transgenic)

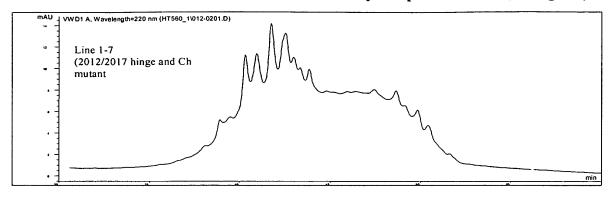


FIG. 3G CEx-HPLC of isolated KMK antibody samples – mutant (transgenic)

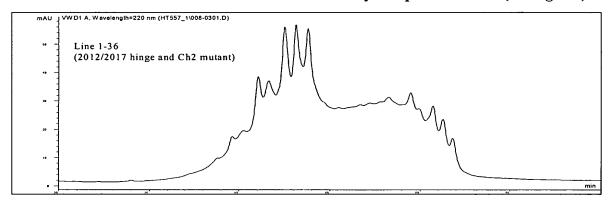


FIG. 4A CEx-HPLC of KMK wild type sample ± Endoglycosidase F treatment, wild type

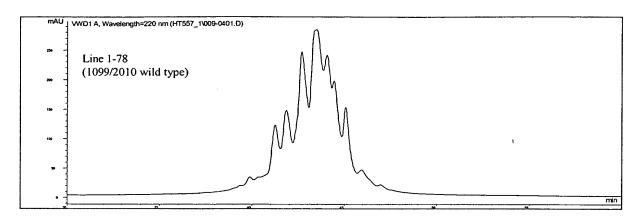


FIG. 4B CEx-HPLC of KMK wild type sample ± Endoglycosidase F treatment, wild type

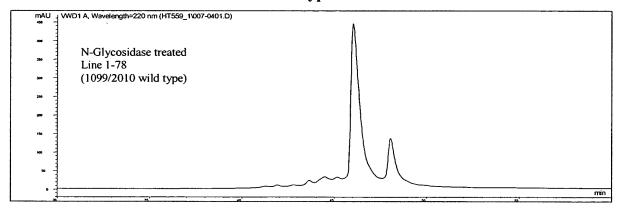


FIG. 4C CEx-HPLC of KMK mutant sample ± Endoglycosidase F treatment, hinge and CH2 mutant

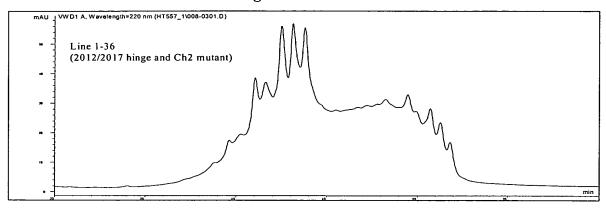
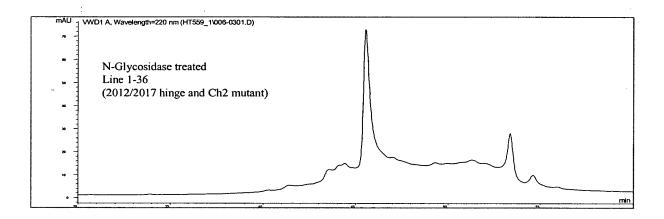


FIG. 4D CEx-HPLC of KMK wild type sample ± Endoglycosidase F treatment, hinge and CH2 mutant



KMK917 1099/2010 wild type (HT 5601_2)

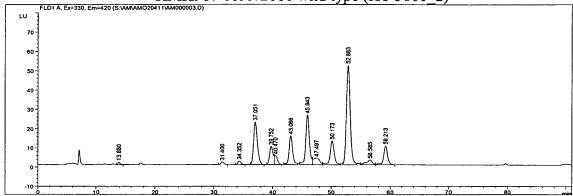


FIG. 5B

KMK917 2012/2014 hinge + Ch2 mutant (HT 5571_4)

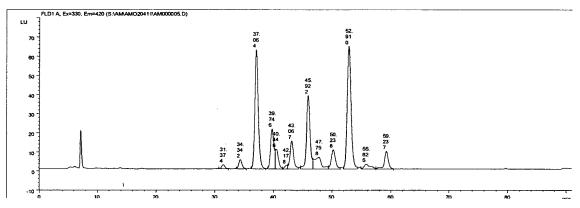


FIG. 5C

KMK917, Full Scale

